



AGENDA

**Concrete Products Task Group Meeting
(CT-Industry)
April 11, 2013
Time 10:00 AM to 12:00 PM
Room 514 – Translab – OSM Annex Building
5900 Folsom Blvd.
Sacramento, CA 95814**

Time	Topic	Presented By	Purpose/Endstate
1000 – 1005	Welcome, Attendance and Agenda Review	All Co-Chairs	Meeting Begins
1005 – 1015	Review Last Meeting Minutes and Review of action items	All Co-Chairs	Establish/Close-Out Due-Outs
1015 – 1020	Housekeeping Items – The following are to be discussed: <ul style="list-style-type: none"> • Current Print-Out Package • Participant Memo • Concrete Task Group Website • 2013 Calendar 	Bobby Petska	Ensure all members are postured for success
1020 – 1040	“State of the Industry” Update Brief	Industry Co-Chairs	Ensure key concerns from Industry are heard
1040 – 1050	General Discussion of New Topics (e.g. New Product for CalCIMA Technical Committee discussion)	TG Co-Chairs	Ensure all potential and upcoming topics are discussed
Sub-Task Group co-chairs provide update on <ul style="list-style-type: none"> • Progress Reports • Review of Issues, including level of effort and updates to scoping documents • Discussions of any new proposed Scoping Documents • Discuss any recommendations for changes in priorities • Review updated scoping documents 			
1050 – 1110	Materials/QA Sub-Task Group	Keith Hoffman/Mark Hill	STG Co-Chairs provide update on decisions made/concerns for each activity
1110 – 1130	CIP Pavement Sub-Task Group	Mehdi Parvini/Craig Hennings	STG Co-Chairs provide update on decisions made/concerns for each activity
1130 – 1150	Precast Sub-Task Group	Jeremy Peterson-Self/Cliff Ohlwiler	STG Co-Chairs provide update on decisions made/concerns for each activity
1150 – 1200	Round Table Discussion, Discussion Issues, Questions and Action items	All	Document due-outs and decisions made

Concrete Products Meeting Action Item Review

Below is the brief summary and status of action items from the previous TG meetings:

Pending Items	Due Date	Responsible Person	Notes
From 01/10/13 Meeting			
Discuss updates on the I-5/14 Precast Pavement Lessons Learned report and target deadlines	31 Jan 2013	Jeremy Peterson-Self/Mehdi Parvini	Task order under development at project team level
Participation Memo for Marc Robert for inclusion into the Materials/QA STG	31 Jan 2012	Bobby Petska	Complete
Upload latest Precast Pavement Methodology and Section 11-2 onto TG Website	31 Jan 2013	Bobby Petska	Complete

Pending Items	Due Date	Responsible Person	Notes
From 12/5/12 Meeting			
Ensure Al Ochoa completes Task Order for D11 AAP Lab, in reference to the D11 QCQA Pilot Project	31 Jan 2013	Keith Hoffman/Bobby Petska	Pending. Task order under development
Receive from D7 personnel the Lessons Learned Report for the I-5/14 Project	31 Jan 2013	Mehdi Parvini/Jeremy Peterson-Self	Task under development at project team level

Completed Items	Date Completed	Responsible Person	Notes
From 12/5/12 Meeting			
Contact Mr. Speer regarding the "Recycled Concrete" report that was received from Industry	31 Jan 2013	Keith Hoffman	Complete



Relay information pertaining to Smoothness to Mr. Hoffman for use during Bridge Deck Preservation committee discussions	31 Jan 2013	Mehdi Parvini	Complete
Create Participant Memo for Jim Sagar for invitation to CIP Pavement STG	31 Dec 2012	Bobby Petska	Complete
Adjust Mehdi Parvini's information in the Task Group Roster	31 Dec 2012	Bobby Petska	Complete
Send updates to Mr. Petska for the STG Bin Lists prior to the 13 Dec RPC Meeting	10 Dec 2012	Mehdi Parvini, Keith Hoffman, Jeremy Peterson-Self	Complete

From 10/11/12 Meeting			
Send "Sand Specification" for Bond Breaker Activity to the appropriate parties	30 Nov 2012	Charley Rea	Complete
Create Updated 2013 Calendar for Distribution	30 Nov 2012	Bobby Petska	Complete
STG Co-Chairs to send to Bobby the final items that need to be posted onto the RPC TG Website	31 October 2012	All STG Co-Chairs	Complete; on-going.
Send Smoothness Specification to Bobby for posting onto the RPC Concrete TG Website	31 October 2012	Mehdi Parvini	Complete
Execute a Project Team Meeting for the "Recycled Concrete" Activity	31 October 2012	Charley Rea	Complete Meetings have taken place and on-going.
From 9/6/12 Meeting			
Precast Pavement Scoping Document – Distribute to the Project Team.	30 Sept 2012	Bobby Petska	Distributed and to be refined at 10/17 mtg.
For the Smoothness CIP Pavement activity, send an issue memo that may provide clarification on the involvement of each	30 Sept 2012	Mehdi Parvini	Complete



functional unit.			
NCHRP Contacting – Identify steps to take move forward on this activity.	30 Nov 2012	Bobby Petska	Research on-going
Schedule a meeting with OSM Seniors to discuss updates to Section 11-2.	30 Nov 2012	Jeremy Peterson-Self	Specifications distributed for comments.
Compile the formal list of the 10 QCQA pilot projects.	30 Sept 2012	Keith Hoffman/John Lammers	Complete

Concrete Products TG Quarterly Meeting Attendance Log as of 11 April 2013									
Member	Role	TG Meeting (CT and Industry)							
		4/14/2011	7/14/2011	10/13/2011	1/26/2012	4/12/2012	7/12/2012	10/11/2012	1/10/2013
Dan Speer	Caltrans Co-Chair	✓	✓	✓	✓	✓	✓	✓	
Chuck Suszko	Caltrans Construction	✗	✓	✓			✗	✗	✓
Bill Farnbach	Caltrans Pavement Program	✗	✗	✓	✓	✓	✗	✓	✓
Roberto Lacalle	Caltrans Struct. Specs & Estmt.	✓	p	✓					
Marcelo Peinado	Caltrans District -11 Engineering	✓	✗	✗					
Dennis Agar	Caltrans District -10 Engineering	✓	✓	✓					
Jeremy Peterson-Self	Co-Chair, Precast Concrete STG						✓	✓	✓
Keith Hoffman	Co-Chair, Materials & QA STG	✓	✓	✓	✓	✓	✓	✓	✓
Mehdi Parvini	Co-Chair, Cast In Place Concrete Pavement STG	✓	✓	✓	✓	✓	✓	✓	✓
Jinesh Mehta/Bobby Petska	Caltrans, Structural Materials Rep. (note taker)	✓	✓	✓	✓	✓	✓	✓	✓
Charley Rea	Industry Co-Chair-CALCIMA	✗	✓	✓	✓	✓	✓	✓	✓
Bruce Carter	Industry Co-Chair	✓	✓	✓	✓				
Ron Stickel	Industry Co-Chair					✓	✓	✓	✓
Cliff Ohlwiler	Industry, Co-Chair, Precast Concrete STG	✓	✓	✓	✓	✓	✓	✓	✓
Tom Tietz	Industry, CNCA	✗	✗	✓	✓				
Mark Hill	Industry, Syar					✓	✓	✓	✓
Craig Hennings	Industry, ACPA-SW	✗	✗	✗	✗	✓	✗	✗	✗

Legend:

- ✓ Present
- ✗ Absent
- p Pre-designated proxy

STATE OF CALIFORNIA
PAVEMENT PROGRAM STATUS CALENDAR

DEPARTMENT OF TRANSPORTATION

ROCK PRODUCTS COMMITTEE MEETINGS CALENDAR

2013

JAN

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Calendar Legend

Quarterly Rock Products Committee (RPC) Meeting

Monthly RPC Co-Chairs 3+1 Meetings

Asphalt Task Group 3+2 Meetings

Concrete Task Group 3+2 Meetings (1:30pm - 2:30pm)

Pavement Foundations Task Group 3+2 Meetings

Pavement Preservation Task Group 3+2 Meetings

State Holidays

Concrete Materials & QA STG Meeting (1:00 - 4:30 pm) - CT only

Concrete Materials & QA STG Meeting (1:00 - 4:30 pm) - All

Precast Subtask Group Meeting (9:00 - 11:30 am) - All

Precast Concrete Subtask Group Meeting (9:00 - 11:30 am) - CT only

Concrete Products Task Group Meeting (10:00-12:00)- All

Concrete Task Group CT Only Meeting (1:00-3:00 pm)-CT only

Cast In Place Pavement Subtask Group Meeting (9:00am - 11:00am)-All

Cast In Place Pavement Subtask Group Meeting (9:00am - 11:00am)-CT Only

Memorandum

*Flex your power!
Be energy efficient!*

To: DAN SPEER/BILL FARNBACH/CHUCK SUSZKO/CHARLEY REA/RON STICKEL
Co-Chairmen
Concrete Products Task Group

Date: 6Mar2013
File: MQA STG

From: Keith Hoffman/Mark Hill
Co-Chairmen
Materials/QA Subtask Group

Subject: Memorandum Requesting Additional Participation in Cast-In-Place Pavement Group

The RPC Chairman has frequently emphasized the importance of accountability in all of the issues that we discuss. The decision-making ability and presence of key personnel, on all Subtask Groups, will help expedite issue resolutions and bring quick results.

With this memorandum, I am requesting to extend an invitation to the following members for the purpose of joining the Materials/QA Subtask Group:

Marc Robert	Industry	(818) 728-5200
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It is my belief that the presence of this member in the Subtask Group will allow us to accomplish our highest priority activities, build a trust with our industry counterparts, and ensure that the most qualified personnel are involved in the decision-making process.

If you have any question regarding this memorandum, please contact Keith Hoffman at 510-376-7627

Concurrence Received

Approved By:	_____	Date:_____
	Dan Speer (TG Co-chair)	
Approved By:	_____	Date:_____
	Bill Farnbach (TG Co-chair)	
Approved By:	_____	Date:_____
	Chuck Suszko (TG Co-chair)	
Approved By	_____	Date:_____
	Charley Rea (TG Co-chair)	
Approved By	_____	Date:_____
	Ron Stickel (TG Co-chair)	

Concrete Materials & QA Sub-Task Group: Issue Status Summary, April 2013						
Project Priority	Project	Purpose	Overall Progress	Target Completion Date	% Complete	
1	Structural Concrete QC/QA Specification Development	Implement performance-based specifications for materials management of structural concrete.	Additional outreach with other pilot projects and Industry to take place. Coordination of ACI Training for Pilot Projects to continue in 2013. Continue conducting pre-bid meetings. Use gathered feedback from beta testing of DIME to update and roll out for larger use. Finalize the plain language spec and create a spec back up report as draft specification is finalized. Finalize QA guidance report to generate corresponding bulletins for state staff. Amendment to IA manual upcoming, develop long term IA processes. Discuss project lists. Discuss communications with Districts and Contractors (Outreach).	6/30/2013	75%	
2	Statewide Aggregate Source Database	Statewide consistency in aggregate source testing and develop a centralized list (database) of aggregate testing that can be used by all districts/projects is needed.	<p>Allow users to copy sample data. Improve security by changing mysql to pdo transaction.</p> <p>Protect against cross-site scripting (XSS), especially for string fields and other fields without validation. This applies to all pages accepting user input. Parameterize all queries. Replacing MySQL with PDO syntax. No data should be taken directly and applied as part of a statement.</p> <p>Add salt to hash when encrypting passwords. Create more test videos for each DIME Information Sheet (low priority). Update DIME Information Sheets with updated screen shots. Wait on this task until other parts of the program are finalized. Allow project personnel the ability to unsubscribe from being informed that a test from a specific sample or project has been verified / published.</p> <p>Requested changes to CT202 from Translab. Final decisions have not been made on how to proceed.</p>	6/30/2013	75%	
3	Update Construction Manual	Update Construction Manual to conform to changes made to Sections 6, 9, 11, 40, 49, 51, 53, 72, 73, 83, and 90 of the 2010 Standard Specifications.	Review of draft subsections taking place. Progress to continue in coming days. Section 2, Section 3 subsections 0-3, Section 4 subsections 16, 19, 22, 24-29, 41, 42, 49-57, 59, 61-70, 72-75, 80-86, 91, 94, 95, Section 5 subsections 0, 5, Section 8 subsection 2, and Section 9 are closed for review. Subject matter experts creating workplans and drafts for remaining Section 3, 4, 5, and 8 subsections and Section 6 and 7.	12/31/2012	85%	
4	Recycled Concrete	Evaluate possibilities for use of recycled (hardened and plastic) concrete	<p>Monthly project team meetings to continue. Next scheduled meeting is on 12 April 2013.</p> <p>Industry to send requested information from March meeting before the meeting in April. Supplemental report and Draft Specs to be complete in coming weeks.</p>	6/30/2013	50%	
Bin List Items	Shotcrete Specification Updates	Update the provisions in Section 53 to clarify such factors as SCM content, testing requirements, etc.	Draft scoping document in process; discussion underway at within Industry; timeline and necessary deliverables to be clarified in coming months	TBD	N/A	
	Flexural Beam Testing in accordance with ASTM	Industry requesting update of ASTM/CTM requirements related to Flexural Test specimen curing, testing, etc.	Draft scoping document in process; discussion underway at various levels and at CIP Pavement; timeline and necessary deliverables to be clarified in coming months	TBD	N/A	
	Green Concrete/ASR/Limestone Spec Updates in Section 90	Update the provisions in Section 90 to ensure that CO2 reduction goals are captured but independent of ASR Reduction goals	Activity to be developed in conjunction with "ASR Research Problem Statement". Research from ASTM Limestone Cement updates may be incorporated into this activity	TBD	N/A	
	Smog-Eating Concrete	Develop specifications and design guidelines for the use	This item is currently under evaluation. A pilot project is to be selected in the near future, with the goal of capturing lessons learned. A meeting with Caltrans and Lehigh personnel took place on 30 August 2012.	TBD	N/A	
	Evaluate shrinkage specification for concrete	Review SE/CV characteristics and then effect on shrinkage performance and evaluate shrinkage control needs for CT concrete	Draft scoping document in process; discussion underway at project team level; timeline and necessary deliverables to be clarified in coming months	TBD	N/A	
	Performance-Based Specifications for concrete	With the latest advances in concrete technology and availability of new tests. move towards performance specifications	Using surface resistivity and other performance criteria refine the specifications from prescriptive to performance	TBD	N/A	
	PT Grout Specification	Pre-approved list for grout products and updated specification is needed	STG is working on developing a pre-approved list for grouts with succesful history on projects. Minimal Resources anticipated; working in conjunction with DES Prestress Committee and Precast Design Committee	TBD	N/A	

Structural Concrete QC/QA Specification Development

Sub Task Group (STG): Materials & QA

Priority: 1

STG Co-Chair: Keith Hoffman

Project Team Lead: John Lammers

Project Team Members: Cathrina Barros, Ruth Fernandes, Austin Perez, Craig Knapp, Mike Cook, Rosme Aguilar, The' Pham, Deepak Maskey, Al Ochoa, Rick Navarro, (CCTIA)

Project Team Advisors: Rita Leahy, Jinesh Mehta, Ken Beede

DEADLINE: 6/30/2013

PERCENT COMPLETE: 75%

OBJECTIVES:

Implement quality control sampling and testing for structural concrete as directed in the decision document signed by the Chief Engineer and Deputy Director of Maintenance and Operations in December 2010. Determine appropriate QC sampling and testing standards as well as acceptance (QA) sampling and testing guidance consistent with federal regulations. These requirements and guidance should be implementable for any project regardless of procurement methods.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

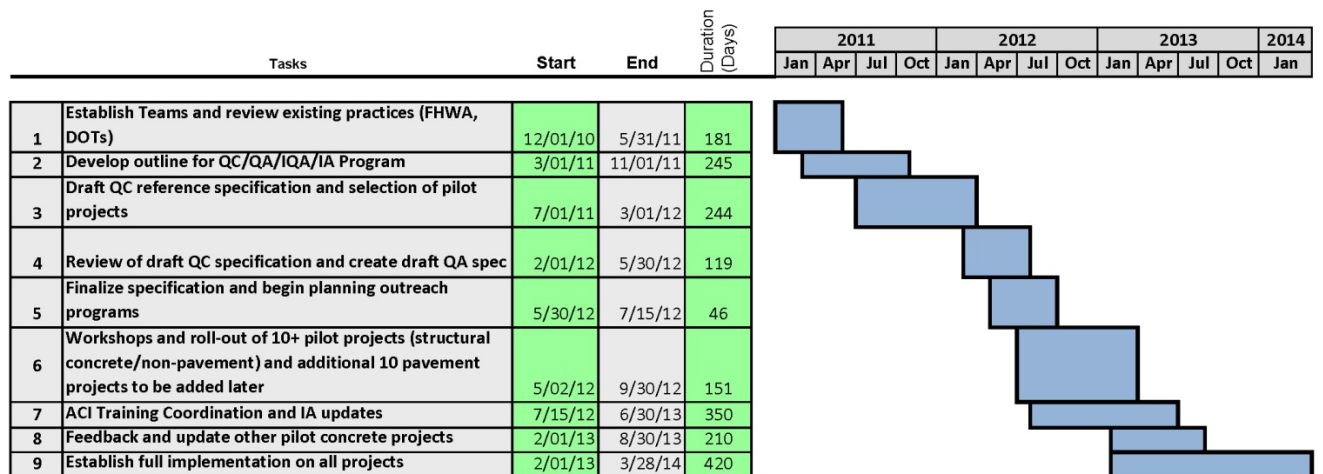
Plain language version of the specification was finalized prior to start of District 11 project in February of 2013.

RECENT ACTIVITIES:

- Sample ID/Test ID Spec change language – Complete
- ACI Training Roster– 2013 training contracts are being finalized by CPSD and Workforce. Development Branch to move forward with training for Pilot Projects throughout the state.
- Full listings of all Pilot Projects are currently tracked and are continuously updated as needed.
- Coordination of Pre-Bid Outreach Meetings for upcoming Pilot Projects continues. D11 Pilot Project Pre-Bid Outreach meeting took place on November 15th in San Diego and District 8 pre-construction meeting took place on March 21st.
- CCTIA Presentations – Continued movement. Previous CCTIA Presentation took place on 11 September.
- QA Guidance Doc Development –continues to be refined. METS currently working with OSC on this assignment. Updates being made to document include FAQ section, DIME instructions, sample QC meeting agenda, QC checklist and sample QC Plan.

UPCOMING ACTIVITIES:

- Additional outreach with other pilot projects and Industry to take place.
- Coordination of ACI Training for Pilot Projects to continue in 2013.
- Continue conducting pre-bid meetings.
- Use gathered feedback from beta testing of DIME to update and roll out for larger use.
- Finalize the plain language spec and create a spec back up report as draft specification is finalized.
- Finalize QA guidance report to generate corresponding bulletins for state staff.
- Amendment to IA manual upcoming, develop long term IA processes.
- Discuss project lists. Discuss communications with Districts and Contractors (Outreach).



Schedule to be continuously updated per Pilot Project roll-out dates and project progress.

Statewide Aggregate Database (DIME)

Sub Task Group (STG): Materials & QA

Priority: 2

STG Co-Chair: Keith Hoffman

Project Team Lead: Keith Hoffman

Project Team Members:

Al Ochoa, Dan Ferchaud
Glen Johnson

Project Team Advisors: Brett Soldano,
Deepak Maskey, Jinesh Mehta

DEADLINE: 6/30/2013

PERCENT COMPLETE: 75%

OBJECTIVES:

The Aggregate Database project (DIME-data interchange for materials engineering) will provide a quick and easy online tool allowing Caltrans employees working in District Laboratories from across the state to electronically input, edit and retrieve aggregate test results via a password-protected website. The aggregate database project will reduce the delay and paperwork required to submit aggregate test data to Caltrans.

RECENT MEETINGS:

- DIME Pilot Lab Beta Testing Feedback Meeting - March 28, 2013
- DIME feedback meeting with Ed Perez (Sacramento, CA) - March 19, 2013
- DIME training for District 7, 8 & 11 (Fontana, CA) - March 12, 2013
- DIME training for Translab (Sacramento, CA) - March 7, 2013
- DIME training for District 5 & 6 (Fresno, CA) - March 6, 2013
- DIME training for District 2 (Redding, CA) - March 4, 2013
- DIME Pilot Lab Beta Testing Kick-off Meeting – February 15, 2013

UPCOMING MEETINGS:

- Biweekly feedback meetings during beta testing - 03/26/13 – 04/29/13

RECENTLY COMPLETED TASKS:

1. Modified page width to fit users screen 100% or 1000 pixels, whichever is less.
2. Added styling around test card option box on input test data page.
3. Allow the lab account manager to change the password of anyone in their test facility.
4. Allow users to request a new password for their account.
5. Index page now includes a link for external user to download the latest version of Java, which is required for uploading xml files.
6. Created an input mask for phone numbers to match specified format of (###)###-####. This code can be used for other masks.
7. DIME currently uses www1 url, not www url. This has eliminated session switching.
8. Absolute links within DIME or pointing to DIME have been updated or converted to relative links to exclusively use the www1 url.
9. Set up TL101 for an aggregate test.
10. Created an aggregate sample with all the CT tests from the one-page aggregate test card completed to ensure all the data appears as expected.

11. Removed 'Publify' from DIME and replaced it with 'Publish', for external users.
12. Modified code and documentation to all users to submit samples with no tests (both manually and via xml upload).
13. Improved form validation by checking user input against a regular expressions, and implementing error messages specific to each tag.
14. JQuery uploader fixed.
15. Listed all project Identifiers on data input submit receipt.
16. If a sample has been submitted, then update the data input submit receipt to reflect this.

CURRENT/UPCOMING TASKS:

1. Allow users to copy sample data.
2. Improve security by changing mysql to pdo transaction.
3. Protect against cross-site scripting (XSS), especially for string fields and other fields without validation. This applies to all pages accepting user input.
4. Parameterize all queries. Replacing MySQL with PDO syntax. No data should be taken directly and applied as part of a statement.
5. Add salt to hash when encrypting passwords.
6. Create more test videos for each DIME Information Sheet (low priority).
7. Update DIME Information Sheets with updated screen shots. Wait on this task until other parts of the program are finalized.
8. Allow project personnel the ability to unsubscribe from being informed that a test from a specific sample or project has been verified / published.
9. Requested changes to CT202 from Translab. Final decisions have not been made on how to proceed.

Project Schedule:

The complete project schedule is shown on the last page. Here is a brief summary:

- | | |
|---|-----------------------|
| • Early DIME Development | 06/01/11 – 01/31/12 ✓ |
| • Survey of Labs | 02/01/12 – 03/31/12 ✓ |
| • Test Input Cards | 04/01/12 – 06/31/12 ✓ |
| • Initial Feedback from DMEs | 05/01/12 – 05/31/12 ✓ |
| • Test Result Cards | 07/01/12 – 08/31/12 ✓ |
| • User Account Management | 09/01/12 – 10/31/12 ✓ |
| • Additional Features | 11/01/12 – 01/31/13 ✓ |
| • Collect feedback from DMEs | 12/19/12 – 01/25/13 ✓ |
| • Identify pilot labs for beta testing of DIME System | 12/19/12 – 01/31/13 ✓ |
| • Beta testing of DIME system by selected pilot labs | 02/19/13 – 04/29/13 |
| • Host biweekly feedback meetings during beta testing | 03/26/13 – 04/29/13 |
| • Training | 05/01/13 – 06/28/13 |
| • Release of DIME to all district labs | 06/28/13 |

Data Interchange for Materials Engineering (DIME) Project Schedule - External Laboratories

Use of Recycled Concrete Materials

Sub Task Group (STG): Materials & QA

Priority: 4

STG Co-Chair: Keith Hoffman

**Project Team Lead: Mike Donovan,
Don Vivant**

Project Team Members: Charley Rea, Craig Hennings,
Deepak Maskey, Keith Hoffman,
Jinesh Mehta, Pat Imhoff, Tarek Khan,
Mike Serra, Robert Graine, Paul Fayer,
Ruth Fernandes, Sharon Hansen, Jim Cotey
Basil Miranda, Kevin Bachelor

Project Team Advisors: TBD

DEADLINE: 6/30/2013

PERCENT COMPLETE: 50 %

OBJECTIVES:

By using various appropriate measures and devising clear limitations and practices, activity will examine returned concrete for use as minor (non-structural) concrete without compromising life cycle.

Currently, Caltrans specifications allow *aggregate* from plastic or hardened concrete to be used in road base and in various appropriate applications in new concrete. However, the use is not widely seen and therefore requirements should be evaluated and modified to promote more use for specified applications without compromising life cycle.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Once the objective is clearly defined and necessary background research is performed, project team will work on coming up with recommended changes. It is likely that Specification involvement will include reviewing the draft Recycled Concrete Section 90 subsection.

RECENT ACTIVITIES:

- Project team met with Division of Weights and Measures on Feb 1, 2013 to discuss the process and understand their concerns.
- Project team meeting took place on March 13, 2013. Key deliverables for the coming months were discussed including providing a clear definition for recycle concrete and protocol for measuring the returned concrete.
- On March 22, 2013 following deliverables were discussed with CT project team members and specification owners for applications identified for returned plastic concrete:
 1. Definition
 2. Applications
 3. Recycle Protocol

UPCOMING ACTIVITIES:

- Monthly project team meetings to continue.
- Next scheduled meeting is on 12 April 2013.
- Industry to send requested information from March meeting before the meeting in April.
- Supplemental report and Draft Specs to be complete in coming weeks.

SCHEDULE AND PROGRESS:

Current target completion date is June 2013.

Task Name	Duration	Start	Finish	Predecessor
Review Existing Specifications	60 days	Tue 6/21/11	Mon 9/12/11	
Compose Draft Specification	340 days	Tue 9/13/11	Mon 12/31/12	1
Gather and compile feedback	64 days	Tue 1/1/13	Fri 3/29/13	2
Finalize Specification and Publish	66 days	Mon 4/1/13	Mon 7/1/13	3

CIP Concrete Pavement Sub-Task Group: Issue Status Summary, April 2013

Priority	Project	Purpose	Overall Progress	Target Completion Date	% Complete	
1	Coefficient of Thermal Expansion (CoTE)	To CoTE as a criteria for design and construction of concrete pavements.	Received 278 total test results to date from 20 projects using six labs.	6/30/2013	60%	
2	Rapid Strength Concrete for JPCP	Prepare specification for use of rapid strength concrete (RSC) for new construction of jointed plain concrete pavement (JPCP)	Working on comments.	1/15/2013	60%	
3	CRCP Design Details (Phase II)	To assure that state funds are utilized in the most cost effective manner possible over the life of the pavement and that the product will meet its intended design life.	Draft standard plans and SSP 40-2 review/comments are being addressed.	12/31/2012	80%	
4	Bond Breaker	Investigate different alternatives available not to bond concrete pavement and LCB.	Spec has been submitted for publication Jan 18. Geotextile option has been added to bond breaker spec.	6/30/2013	95%	
5	Roller Compacted Concrete	Develop standard provisions for the use of Roller Compacted Concrete	Draft special provisions are ready for implementing on trial project. Incorporated into one project in District 7	6/30/2013	35%	
	Dowel location and tolerance	Clarify the location and tolerance for dowels	Waiting for Scoping Document. Plan to prepare before March STG.	TBD	N/A	

Precast Concrete Sub-Task Group: Issue Status Summary, April 2013					
Project Priority	Project	Purpose	Overall Progress	Target Completion Date	% Complete
1	Precast QC Provisions and Precast Technical Resolutions	Separate specifications for precast products/materials from those for concrete materials and develop various levels of Precast.	Next CT-Industry Project Team Meeting to take place April 2013. Continue to hold monthly CT-Internal Team Meetings (or more frequently if necessary). Finalize incorporation of Section 11-2 into Section 90-4. Finalize updates for Section 90	6/30/2013	75%
2	Precast Pavement Specification Development	Develop comprehensive departmental guidance or standard approach on the use of precast concrete pavement.	Next project team meeting to take place in early January 2013. Discuss I-680 design lessons learned and how it can be applied to I-710 and other projects. The project team has developed an updated version of the Precast-Prestressed Concrete Pavement nSSP. This version will go to the Sub-Task Group for final approval once it is completed for the I-80 Solano project. Completion of the PPCP and PCP Standard Sheets	12/31/2013	55%
Bin List Items	Freeze Thaw Reinforced Concrete Pipe SSP	Development of SSP for RCPs that are to be placed at 3000+ elevation. Would aim to clarify specific air content and wet cast requirements	Activity has been sent to STG by Office of Highway Drainage Design for initial consideration	TBD	N/A

Precast QC Requirements/Precast Technical Revisions/Precast Subsection Development

Sub Task Group (STG): Precast

Priority: 1

STG Co-Chair: Jeremy Peterson-Self

Project Team Lead: Ruth Fernandes

Project Team Members: Doug Mooradian, Sharon Hansen, Bobby Petska, Rami Boundouki, Paul Fayer, Keith Hoffman, Jeff Friedman, Cy Thomson, Ed Shaw

Project Team Advisors: Cliff Ohlwiler

DEADLINE: 6/30/2013

PERCENT COMPLETE: 75 %

OBJECTIVES:

Decision document establishes direction for Department to develop clear guidance regarding levels of QC/QA as it pertains to structural concrete. Committee would like to update specifications and add new levels of QC/QA for minor (non-structural) and possibly other concrete. The Committee would also like to create separate sub-sections in Sections 40, 50, and 65 to ensure all precast-related material is clearly segregated, and clarify any Precast Technical concerns.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Over the next couple of months, involvement will be limited to the discussions at the project team level and the addition of input as needed. Review of draft of specification will also be desired.

RECENT ACTIVITIES:

A CT-Industry Project Team meeting took place on 7 March 2013. At the meeting, members discussed the Industry review comments to Section 11-2 and Section 90, as well as the schedule for meetings in the coming months. Section 11-2 will be incorporated into Section 90-4.

Development of updated Section 90-4 is in its final stages as of 3 April 2013. Latest version was discussed at the 2 April CT-Only project team meeting and forwarded to industry.

Review within CT-Only of Industry comments to Section 90 is completed. Latest version was discussed at the 2 April CT-Only project team meeting and forwarded to industry.

The intent is to reach consensus on Section 90 (including Section 90-4) in the next Precast QC project team meeting in April 2013.

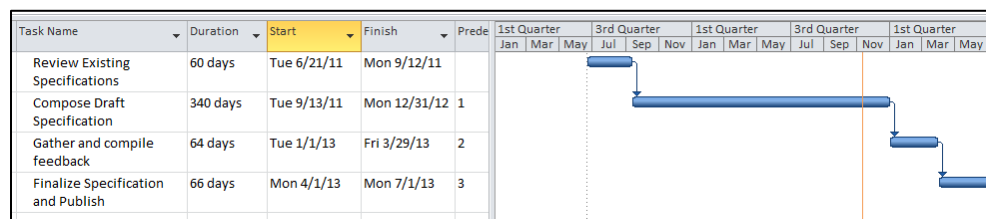
UPCOMING ACTIVITIES:

For the next month:

- Next CT-Industry Project Team Meeting to take place April 2013
- Continue to hold monthly CT-Internal Team Meetings (or more frequently if necessary)
- Finalize incorporation of Section 11-2 into Section 90-4
- Finalize updates for Section 90

For the next two months:

- Review the comments to Sections 47, 50, 51, 49, etc. with Industry at future project team meetings.



Precast Pavement Specification Development

Sub Task Group (STG): Precast

Priority: 2

STG Co-Chair: Keith Hoffman

Project Team Lead: Mehdi Parvini

Project Team Members: Doug Mooradian, Ruth Fernandes, Jim Ma, Jim Cotey, Tinu Mishra, Kirsten Stahl, Debbie Wong, Jonathan den Hartog, Shiraz Tayabaji, Tracy Vacura, Dave Merritt, John Grafton, Ziad Sakkal, Bobby Petska, Steve Healow, Sharon Hansen

Project Team Advisors: N/A

DEADLINE: 12/31/2013

PERCENT COMPLETE: 55%

OBJECTIVES:

Precast concrete pavement systems were developed as an alternative for fast-setting cements or asphalt pavement systems in cases where a highway closure for longer than six hours is not a viable option. These systems are also beneficial in cases where high concrete durability and long pavement life are desired.

Although a few precast concrete pavement projects have already been built throughout the state, there is no comprehensive departmental guidance or standard approach on the use of precast concrete pavement.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Some involvement needed in final review of SSPs and in compiling input from various stakeholders.

RECENT ACTIVITIES:

Final version of Precast Pavement Design Methodology report has been completed.

SSP and Standard Plans continue to be updated and refined.

Upcoming Project Team meeting is scheduled to take place in late-April 2013.

Project team meeting took place Thursday, 29 November 2012 to discuss 3rd final draft, I-680 lessons learned, finalized scoping documents, and updates to activity timeline.

Project team meeting for I-710 took place on 20 November 2012. Further discussion ongoing related to how I-680 design lessons learned can apply to I-710 and other projects.

The latest Scoping Document has been distributed to STG and project team.

UPCOMING ACTIVITIES:

For the next month:

- Next project team meeting to take place in early January 2013.
- Discuss I-680 design lessons learned and how it can be applied to I-710 and other projects.
- The project team has developed an updated version of the Precast-Prestressed Concrete Pavement nSSP. This version will go to the Sub-Task Group for final approval once it is completed for the I-80 Solano project.
- Completion of the PPCP and PCP Standard Sheets

For the next two months:

- Continued development of Design Methodology document.

- The project team will continue to hold monthly meetings as necessary.
- Continued refinement of the PCP and PPCP nSSP

